

Work Order ID 80242

80242

Page 1

February-15-12 3:30:11 PM

Item ID: D412-630-031

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 29/02/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: M.C.J

Date: 12/02/15 Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN D412-630	Rev M

100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00							
Document Control	Photocopy D412-630 bluefile & type labels per PPP412-630-031 CHG003								

Handwritten: M.C.J 12-6-7 (2)

110	Small Fab	0.00							
110									
Small Fab	Memo	0.00							
Small Fab	Assemble as per IIN D412-630								

Handwritten: 2x 12/06/10

ensure tension to retract step is 11 to 18 lbs before installing lockwire.

120	QC5- Inspect part completeness to step on W/O	0.00							
120									
QC	Memo	0.00							
Quality Control	***ensure tension to retract step is 11 to 18 lbs ***								

Handwritten: (LH)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 80242

February-15-12 3:30:11 PM

80242

Page 2

Item ID: D412-630-031 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Pilot/Co-Pilot Step, LH (Folding)
 Start Date: 15/02/2012 Start Qty: 2.00 ***2*** Cust Item ID:
 Required Date: 29/02/2012 Req'd Qty: 2.00 ***2*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Pick Kit	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC4- 100% Inspect kits for completeness	0.00							
140									
QC	Memo	0.00							
Quality Control									
150		0.00							
150									
Packaging	Packaging	0.00							
Packaging	Memo								
Packaging	Identify and pack for shipping as per PPP D412-630-031								
	Location: <u>1621</u>								
	PPP Rev: <u>D</u>								

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 80242***80242***

Page 3

February-15-12 3:30:11 PM

Item ID: D412-630-031

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Pilot/Co-Pilot Step, LH (Folding)

Stop ***NS2***

Start Date: 15/02/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 29/02/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00


160

QC

Memo

0.00

Quality Control

12/6/11 MUF
12-06-11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:15 PM

Page 1

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV. A 05.11.21 NEW ISSUE EC
IPP REV. B 05.12.19 updated pick list EC
IPP REV. C 07.11.12 ecn 1019,no chg EC verified by DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN310-4 S *AN310-4* NUT		Purchased	No			130	Each	56.0000	1	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST344				56					
				120124				31					
				120518				25					
AN310-5 S *AN310-5* NUT		Purchased	No			130	Each	46.0000	2	4			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST344				46					
				120124				46					
AN3C5A S *AN3C5A* Bolt		Purchased	No			130	Each	1,042.000	3	6			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FP001				7					
				115835				7					
				ST350				1035					
				116419				28					
				117343				13					
				117764				7					
				117872				2					
				119127				28					
				119749				27					
				120423				930					

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:15 PM

Page 2

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

AN44-C12

Purchased No

130 Each

26.0000

2

AN44-C12
eyebolt

**

Location

Loc Qty

Loc Code

ST362

26

120139

26

AN4C15

Purchased No

130 Each

38.0000

AN4C15
BOLT

**

Location

Loc Qty

Loc Code

ST358

38

120124

38

AN5C11

Purchased No

130 Each

42.0000

AN5C11
BOLT

**

Location

Loc Qty

Loc Code

ST337

42

114801

2

120139

40

AN5C15

Purchased No

130 Each

36.0000

AN5C15
BOLT

**

Location

Loc Qty

Loc Code

ST338

36

120139

36

AN960C516 NAS1149C0563R
AN960C516
WASHER

Purchased No

130 Each

0.0000

**

February-15-12 3:30:15 PM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:15 PM

Page 3

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

D3454-1

Manufactured No

130

Each

9.0000

**

Sz *D3454-1*
Bushing

Location

Loc Qty

Loc Code

ST044

9

74730

9

130

Each

24.0000

**

D3454-3

Manufactured No

Sz *D3454-3*
Bushing

Location

Loc Qty

Loc Code

ST044

24

78193

24

130

Each

14.0000

**

D3454-5

Manufactured No

Sz *D3454-5*
Bushing

Location

Loc Qty

Loc Code

ST044

14

78190

14

130

Each

49.0000

**

D3455-1

Manufactured No

Sz *D3455-1*
Spacer

Location

Loc Qty

Loc Code

ST044

49

77568

1

78789

48

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:15 PM

Page 4

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

D3455-3

Manufactured No

130 Each

26.0000

D3455-3

Spacer

**

Location

Loc Qty

Loc Code

ST044

26

76958

14

78844

12

Manufactured No

130 Each

0.0000

D3462-041

D3462-041

Bracket Assembly

MS21043-3

Purchased No

130 Each

1,340.000

MS21043-3

Nut

**

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

400

120693

400

ST300

373

119901

373

ST301

495

118077

2

118614

441

118686

30

119758

22

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:15 PM

Page 5

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

MS24665-227

Purchased

No

130

Each

130.0000

MS24665-227

COTTER PIN

**

Location

Loc Qty

Loc Code

ST309

130

111041

41

120124

89

MS24665-229

Purchased

No

130

Each

261.0000

MS24665-229

COTTER PIN

**

Location

Loc Qty

Loc Code

ST309

261

111041

98

118234

163

NAS1149C0363R

Purchased

No

130

Each

3,520.000

NAS1149C0363R

Washer

**

Location

Loc Qty

Loc Code

ST297

3520

114742

3520

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:16 PM

Page 6

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

NAS1515H5

Purchased

No

130

Each

298.0000

**

2

NAS1515H5

Washer

Location

Loc Qty

Loc Code

FG

25

103286

5

103691

20

GA

100

120449

100

ST277

173

120299

73

120304

100

D3463-041

Manufactured

No

110

Each

0.0000

**

1

2

D3463-041

Step Weldment Assembly

D3443-043

Manufactured

No

110

Each

2.0000

**

1

2

D3443-043

Strut Weldment Assembly

Location

Loc Qty

Loc Code

ST198A

-8

ST199

10

78187

2

Manufactured

No

110

Each

3.0000

**

1

2

D3443-041

D3443-041

Strut Weldment Assembly

Location

Loc Qty

Loc Code

ST199

3

78188

3

February-15-12 3:30:16 PM

Shop Packet Print

Page 6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:16 PM

Page 7

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

D3443-9
D3443-9
Pin

Manufactured No

110 Each

20.0000 2 4

**

Location

Loc Qty

Loc Code

ST044

20

78189

20

Manufactured No

110 Each

14.0000 2 4

**

D3454-7
D3454-7
Bushing

Location

Loc Qty

Loc Code

ST044

14

78194

14

Manufactured No

110 Each

49.0000 2 4

**

D3455-1
D3455-1
Spacer

Location

Loc Qty

Loc Code

ST044

49

77568

1

78789

48

Manufactured No

110 Each

25.0000 1 2

**

D3465-1
D3465-1
Washer

Location

Loc Qty

Loc Code

ST045

25

73449

5

78197

20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:16 PM

Page 8

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

AN4CH3
AN4CH3
SS Bolt

Purchased No

110 Each 40.0000 2 4

**

EP 12/06/05

Location

Loc Qty

Loc Code

ST357

40

117616

1

120139

39

Purchased No

110 Each 48.0000 1 2

**

EP 12/06/05

AN4C14
AN4C14
BOLT

Location

Loc Qty

Loc Code

ST357

48

117688

8

120141

40

Purchased No

110 Each 56.0000 1 2

**

EP 12/06/05

AN310-4
AN310-4
NUT

Location

Loc Qty

Loc Code

ST344

56

120124

31

120518

25

Purchased No

110 Each 60.0000 1 2

**

EP 12/06/05

AN310-7
AN310-7
NUT

Location

Loc Qty

Loc Code

ST344

60

114784

10

119749

10

120124

40

EP 12/06/05

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-15-12 3:30:16 PM

Page 9

Work Order ID: 80242

80242

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 15/02/2012

Required Date: 29/02/2012

Start Qty: 2.00

Required Qty: 2.00

MS24665-227

Purchased

No

110

Each

130.0000

1

2

MS24665-227

COTTER PIN

**

EB 12/06/05

Location

Loc Qty

Loc Code

ST309

130

111041

41

120124

89

2

MS24665-302

Purchased

No

110

Each

245.0000

1

2

MS24665-302

Cotter Pin

**

EB 12/06/05

Location

Loc Qty

Loc Code

ST309

245

117460

45

120521

200

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

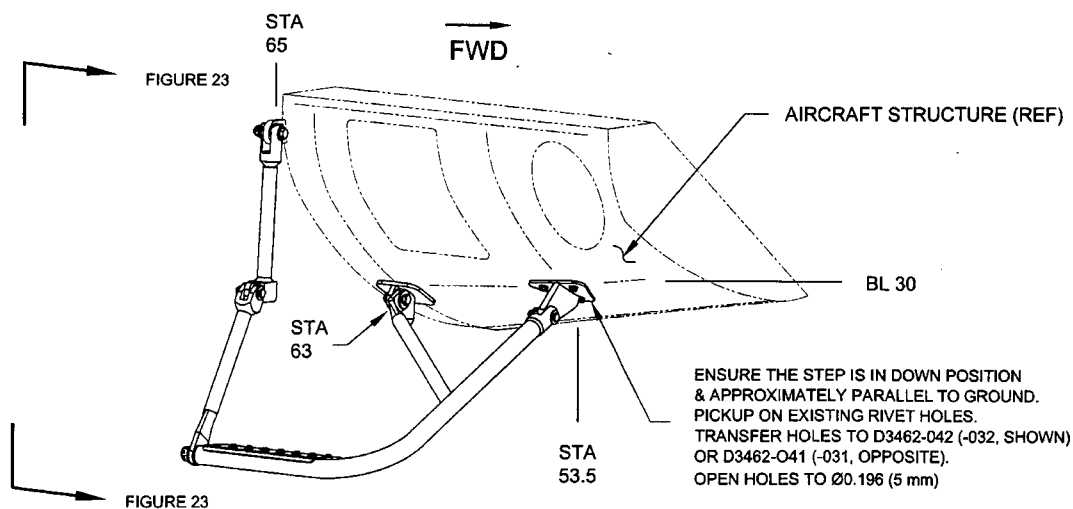
D412-630-031/-032 Pilot/Co-Pilot Folding-Step Installation

FIGURE 21 – Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown), D412-630-031 LH (Opposite)

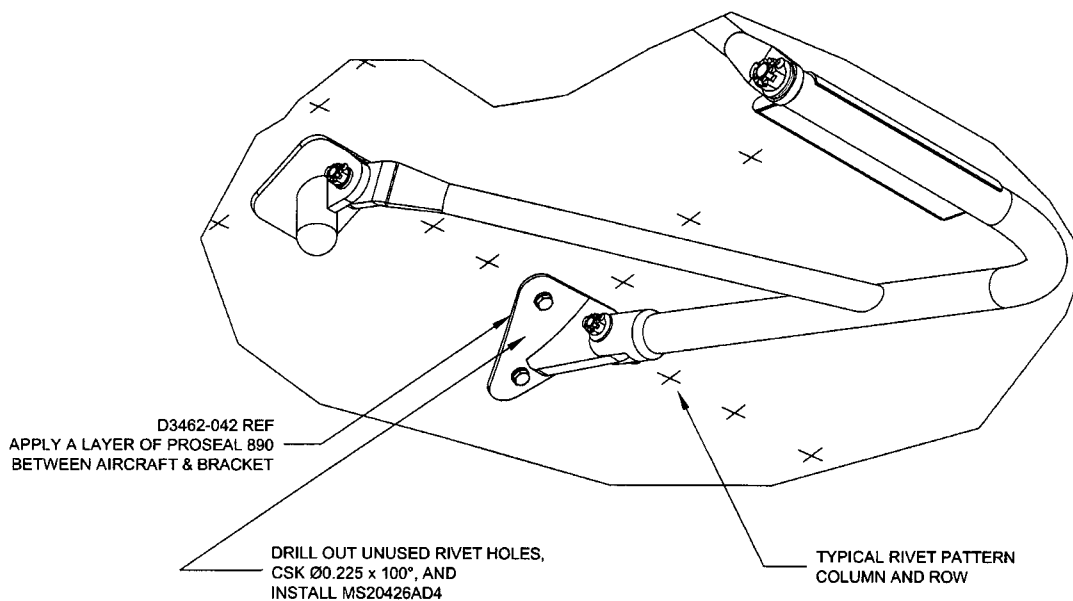


FIGURE 22 – Detail View D3462-042 Bracket Assembly (-032 Installation, Shown) D3462-041, (-031 Installation Opposite)

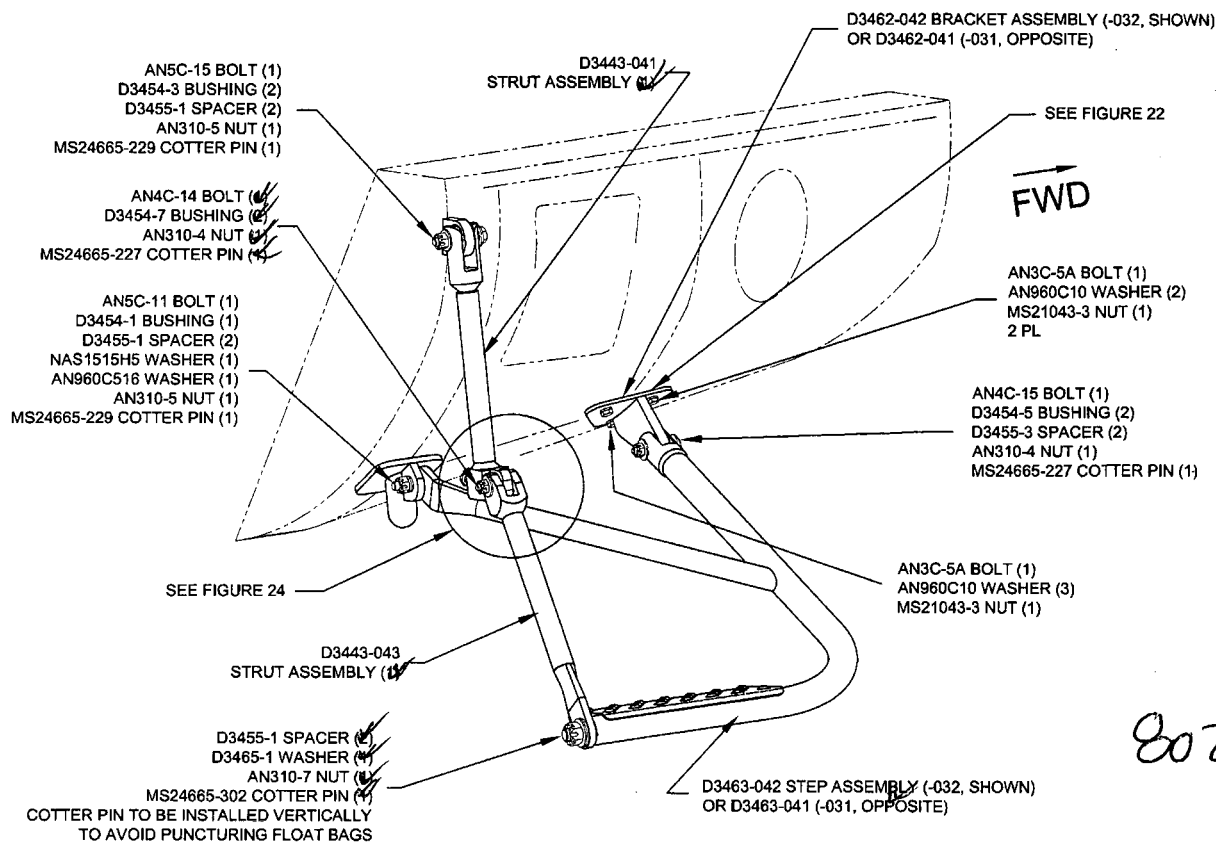
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

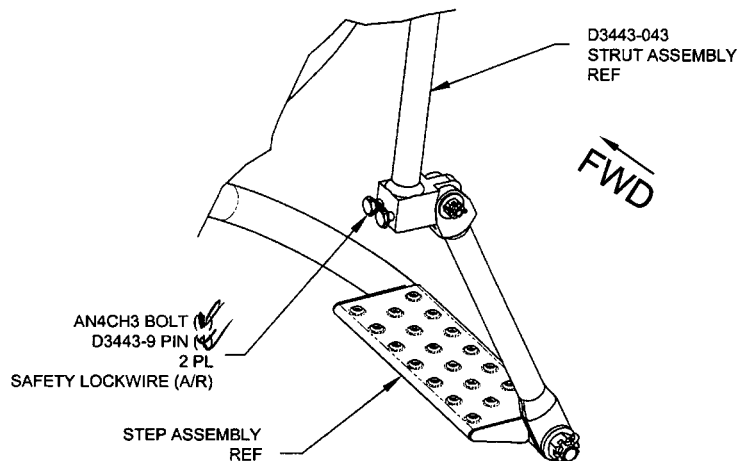
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



**FIGURE 23 – Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown)
D412-630-031 LH (Opposite)**



**FIGURE 24 – Detail Safety Wiring, D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown)
D412-630-031 LH (Opposite)**

• COPYRIGHT © 1996 BY DART AEROSPACE LTD. •
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: **M**
Date: 08.12.12

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

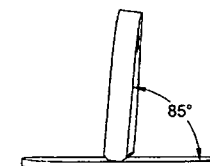
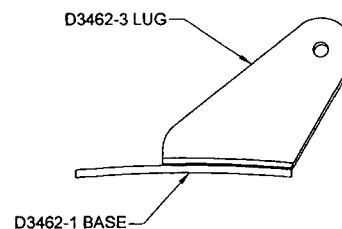
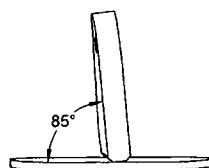
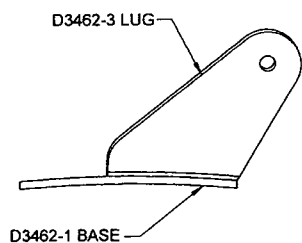
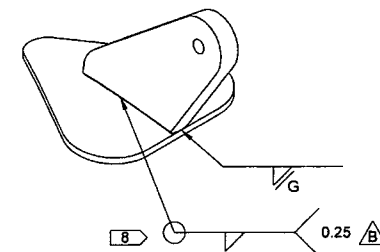
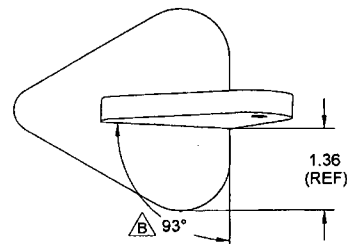
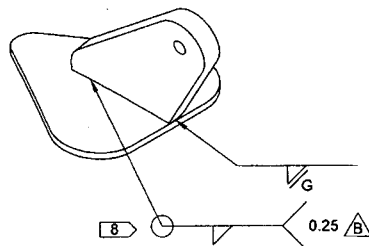
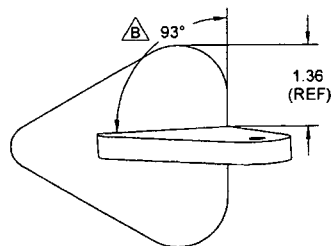
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Qty. -031	Qty -032	Part Number	Description
X		D412-630-031	PILOT/CO-PILOT STEP, LH (FOLDING)
	X	D412-630-032	PILOT/CO-PILOT STEP, RH (FOLDING)
1	1	D3443-041	STRUT ASSEMBLY
1	1	D3443-043	STRUT ASSEMBLY
2	2	D3443-9	PIN
1	1	D3454-1	BUSHING
2	2	D3454-3	BUSHING
2	2	D3454-5	BUSHING
2	2	D3454-7	BUSHING
6	6	D3455-1	SPACER
2	2	D3455-3	SPACER
1		D3462-041	BRACKET ASSEMBLY
	1	D3462-042	BRACKET ASSEMBLY
1		D3463-041	STEP ASSEMBLY
	1	D3463-042	STEP ASSEMBLY
4	1	D3465-1	WASHER
2	2	AN310-4	NUT
2	2	AN310-5	NUT
1	1	AN310-7	NUT
3	3	AN3C-5A	BOLT
1	1	AN44-C12	* EYEBOLT
4	1	AN4C14	BOLT
1	1	AN4C15	BOLT
2	2	AN4CH3	BOLT
1	1	AN5C11	BOLT
1	1	AN5C15	BOLT
7	7	AN960C10	WASHER
1	1	AN960C516	WASHER
3	3	MS21043-3	NUT
2	2	MS24665-227	COTTER PIN
2	2	MS24665-229	COTTER PIN
1	1	MS24665-302	COTTER PIN
1	1	NAS1515H5	WASHER

* USE AN44-C12 EYEBOLT WHEN D412-630-031/-032 IS INSTALLED IN CONJUNCTION WITH D412-630-023/-024/-033/-034™ HELI-ACCESS-STEP



D3462-041 BRACKET ASSEMBLY

D3462-042 BRACKET ASSEMBLY

QTY -041	QTY -042	P/N	DESCRIPTION
X		D3462-041	BRACKET ASSEMBLY
	X	D3462-042	BRACKET ASSEMBLY
1	1	D3462-1	BASE
1	1	D3462-3	LUG

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3462-041" OR "D3462-042" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.75 lbs (TYP)
- 8) WELDING: PER DART QSI 004

C	SHOW VIEWS OF D3462-041 & D3462-042, UPDATE DWG REASON: PRODUCTION FACILITY	DC	07.10.24
B	REVISE DIMENSIONS	RF	05.12.05
A	NEW ISSUE	RF	05.09.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN	HP, DC.		
CHECKED	HP		
MFG. APPR.	HP		
APPROVED	HP		
DE APPR.	HP		
DATE	07.10.24		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3462 TITLE BRACKET ASSEMBLY SCALE 1:2 REV. C SHEET 1 OF 2 COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			